

We claim:

1. A hemostatic wound dressing, comprising:
a fabric substrate, said fabric substrate comprising a first surface and a
second surface opposing said first surface, said fabric comprising fibers and having
properties effective for use as a hemostat, said fabric comprising a biocompatible
polymer; and

5 a porous, polymeric matrix distributed on said first surface and said second
surface and through said fabric substrate, said porous, polymeric matrix comprising
a biocompatible, water-soluble or water-swellable proteinaceous polymer.

10 2. The wound dressing of claim 1 wherein said fabric comprises an oxidized
polysaccharide.

15 3. The wound dressing of claim 2 wherein said oxidized polysaccharide
comprises oxidized regenerated cellulose.

20 4. The wound dressing of claim 3 wherein said water-soluble or water-
swellable proteinaceous polymer is selected from the group consisting of albumins,
algal proteins, apoproteins, blood proteins, egg proteins, lectins, lipoproteins,
metalloproteins, polyproteins, collagen, elastin, fibronectins, laminin, tenascin,
vitronectin, fibroin, gelatin, keratin, reticulin, poly(alpha-amino acid), poly(beta-
amino acid), poly(gamma-amino acid), polyimino acid and polypeptides.

25 5. The wound dressing of claim 4 wherein said proteinaceous polymer
comprises non-cross-linked collagen.

6. The wound dressing of claim 1 wherein the weight ratio of said water-soluble or water-swellable proteinaceous polymer to said fabric is from about 1:99 to about 20:80.

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7. The wound dressing of claim 5 wherein the weight ratio of said non-cross-linked collagen to said fabric is from about 3:97 to about 10:90.

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8. The wound dressing of claim 3 wherein said oxidized regenerated cellulose comprises carboxylic-oxidized regenerated cellulose.

9. The wound dressing of claim 3 wherein said oxidized regenerated cellulose comprises aldehyde-oxidized regenerated cellulose.

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10. The wound dressing of claim 1 further comprising a hemostatic agent.

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